

Title (en)
MONITORING PARTICLES IN LIQUIDS

Publication
EP 0162607 A3 19870513 (EN)

Application
EP 85302935 A 19850425

Priority
GB 8410500 A 19840425

Abstract (en)
[origin: EP0162607A2] Apparatus for monitoring particles in a liquid by passing the liquid through an orifice disposed between two electrodes 1 includes an amplifier 22-27 of restricted bandwidth arranged to receive pulse signals from the electrodes on the passage of particles through the orifice, and a d.c. restorer circuit 29 coupled to the output of the amplifier and arranged to produce signals indicative of the amplitude of the pulses. The amplifier preferably comprises in series a high pass filter 22, a wideband amplifier 23, a high pass amplifier 25, a band-pass filter 26 and a low pass amplifier 27. The apparatus is able to monitor bacteria in urine using an orifice of 100 microns diameter and is capable of automatic and unattended operation.

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G01N 15/12

IPC 8 full level
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CPC (source: EP)
G01N 15/132 (2024.01)

Citation (search report)
• [Y] DE 2748923 A1 19780511 - BECTON DICKINSON CO
• [Y] GB 1498717 A 19780125 - LAHEY CLINIC FOUNDATION
• [A] DE 2812517 A1 19780928 - BECTON DICKINSON CO
• [A] US 4157498 A 19790605 - JOHNSON LEIGHTON C [US]

Cited by
EP0381485A3; EP1089078A1; EP0708334A3; US5891733A; US6389912B1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

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